

ANNEX

Guidelines for the Development of
GARBAGE MANAGEMENT PLANS

For compliance with Regulation 9(2), Annex V of MARPOL 73/78

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1 INTRODUCTION

.1 In 1995, IMO adopted, by resolution MEPC.65(37), amendments to Annex V of the International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978 relating thereto (MARPOL 73/78) which requires that every ship of 400 tons gross tonnage and above and every ship certified to carry 15 persons or more shall carry a garbage management plan and shall be provided with a Garbage Record Book. In addition, every ship of 12 metres or more in length overall shall display placards to notify the crew and passengers of the ship's disposal requirements. A new regulation 9 to Annex V of MARPOL 73/78 enters into force effective 1 July 1997 for new ships and 1 July 1998 for ships built before 1 July 1997.

.2 These Guidelines provide direction on complying with the mandatory requirements for the development of a ship's garbage management plan, and are intended to assist the shipowner/operator in the implementation of regulation 9(2) of Annex V of MARPOL 73/78. It is assumed that the writer of the garbage management plan is familiar with the requirements of Annex V of MARPOL 73/78 and the IMO "Guidelines for the Implementation of Annex V of MARPOL 73/78".

.3 A ship's garbage management plan should contain a list of the particular ship's equipment and arrangements for the handling of garbage, and may contain extracts from and/or references to existing company instructions.

2 REGULATORY REQUIREMENTS

Regulation 9(2) of Annex V of MARPOL 73/78 reads as follows:

"Every ship of 400 tons gross tonnage and above, and every ship which is certified to carry 15 persons or more, shall carry a garbage management plan which the crew shall follow. This plan shall provide written procedures for collecting, storing, processing and disposing of garbage, including the use of the equipment on board. It shall also designate the person in charge of carrying out the plan. Such a plan shall be in accordance with the guidelines developed by the Organization and written in the working language of the crew."

3 PREVENTION OF POLLUTION FROM GARBAGE

.1 To achieve cost-effective and environmentally sound results, many garbage management planners use a combination of three complementary techniques to manage garbage:

- .1 source reduction,
- .2 recycling, and
- .3 disposal.

.2 When requisitioning stores and provisions, shipping companies should encourage their suppliers to apply the substitutionary principle in order to reduce, to the greatest possible extent and at an early stage, the generation of garbage on board ships.

.3 The ship's garbage is made up of distinct components, some of which are addressed in MARPOL 73/78, whilst others may be addressed locally, nationally or regionally, e.g. domestic, operational, cargo-associated, food and maintenance wastes. Each component should be evaluated separately to determine the best waste management practice for that waste.

4 MATTERS TO BE ADDRESSED IN THE GARBAGE MANAGEMENT PLAN

.1 *Designated person in charge of carrying out the plan*

.1 In accordance with the regulation, a person shall be designated in the garbage management plan to be responsible for implementing the procedures within the plan.

.2 This person should be assisted by departmental staff to ensure that the collection, separation and processing of garbage is efficient in all areas of the ship, and that the procedures aboard are carried out in accordance with the garbage management plan.

.2 *Procedures for collecting garbage*

.1 Identify suitable receptacles for collection and separation.*

.2 Identify locations of receptacles, collection, and separation stations.

.3 Describe the process of how garbage is transported from the source of generation to the collection and separation stations.

.4 Describe how garbage will be handled between primary collection and separation stations and other handling methods commensurate with the following:

- .1 needs of reception facilities, taking into account possible local recycling arrangements,
- .2 on-board processing,
- .3 storage, and
- .4 disposal at sea.

.5 Describe the training or education programmes to facilitate collection of garbage.

.3 *Procedures for processing garbage*

.1 Identify personnel responsible for the operation of the equipment.

.2 Identify available processing devices and their capacities.

.3 Identify location of processing devices and stations.

* Separation of garbage for the purposes of these Guidelines is considered part of the collection process. Separation may take place at the source or at a separate designated station.

.4 Identify the categories of garbage that will be processed by each of the available processing devices.

.5 Describe how garbage will be handled between primary processing stations and the storage or disposal stations.

.6 Describe processing procedures used commensurate with the following:

.1 needs of reception facilities, taking into account possible local recycling arrangements,

.2 storage, and

.3 disposal at sea.

.7 Describe the training or education programmes to facilitate the processing of garbage.

.8 Identify available operating and maintenance procedures (this may be done by reference to documents available on board).

.4 *Procedures for storing garbage*

.1 Identify the location, the intended use, and the capacity of available storage stations for each category of garbage.

.2 Describe how garbage will be handled between storage stations and disposal commensurate with the following:

.1 discharge to reception facilities, taking into account possible local recycling arrangements, and

.2 disposal at sea.

.3 Describe the training or education programmes to facilitate the storing of garbage.

.5 *Procedures for disposing of garbage*

.1 Describe the ship's procedures to ensure compliance with the requirements of Annex V of MARPOL 73/78 for disposal of garbage.
